

AMENDMENTS TO THE CLAIMS

CLAIM 1 (CURRENTLY AMENDED) A bicycle electrical control apparatus comprising:  
a first control unit that provides first electrical signals;  
a second control unit that provides second electrical signals;  
an electrical connecting cord having a first end coupled to the first control unit and a second end coupled to the second control unit for communicating the first electrical signals from the first control unit to the second control unit;  
wherein the electrical connecting cord communicates the first electrical signals from the first control unit to the second control unit through a plurality of communication paths as a self-contained unit;  
a first connecting terminal fastened to one of the communication paths at one of the first and second ends of the electrical connecting cord;  
a second connecting terminal disposed on one of the first and second control units; and  
wherein the first connecting terminal is detachably connected to the second connecting terminal such that the first connecting terminal normally is attached to and detached from the second connecting terminal independently of any other connecting terminals fastened to other ones of the plurality of communication paths at the one of the first and second ends of the electrical connecting cord.

CLAIM 2 (ORIGINAL): The apparatus according to claim 1 wherein the first control unit is operated by power provided by a power supply mounted to the bicycle.

CLAIM 3 (ORIGINAL): The apparatus according to claim 1 wherein the first electrical signals comprise signals that correspond to a state of motion of the bicycle.

CLAIM 4 (ORIGINAL): The apparatus according to claim 3 wherein the state of motion of the bicycle is bicycle speed.

9/24/04